

FIGURE 1

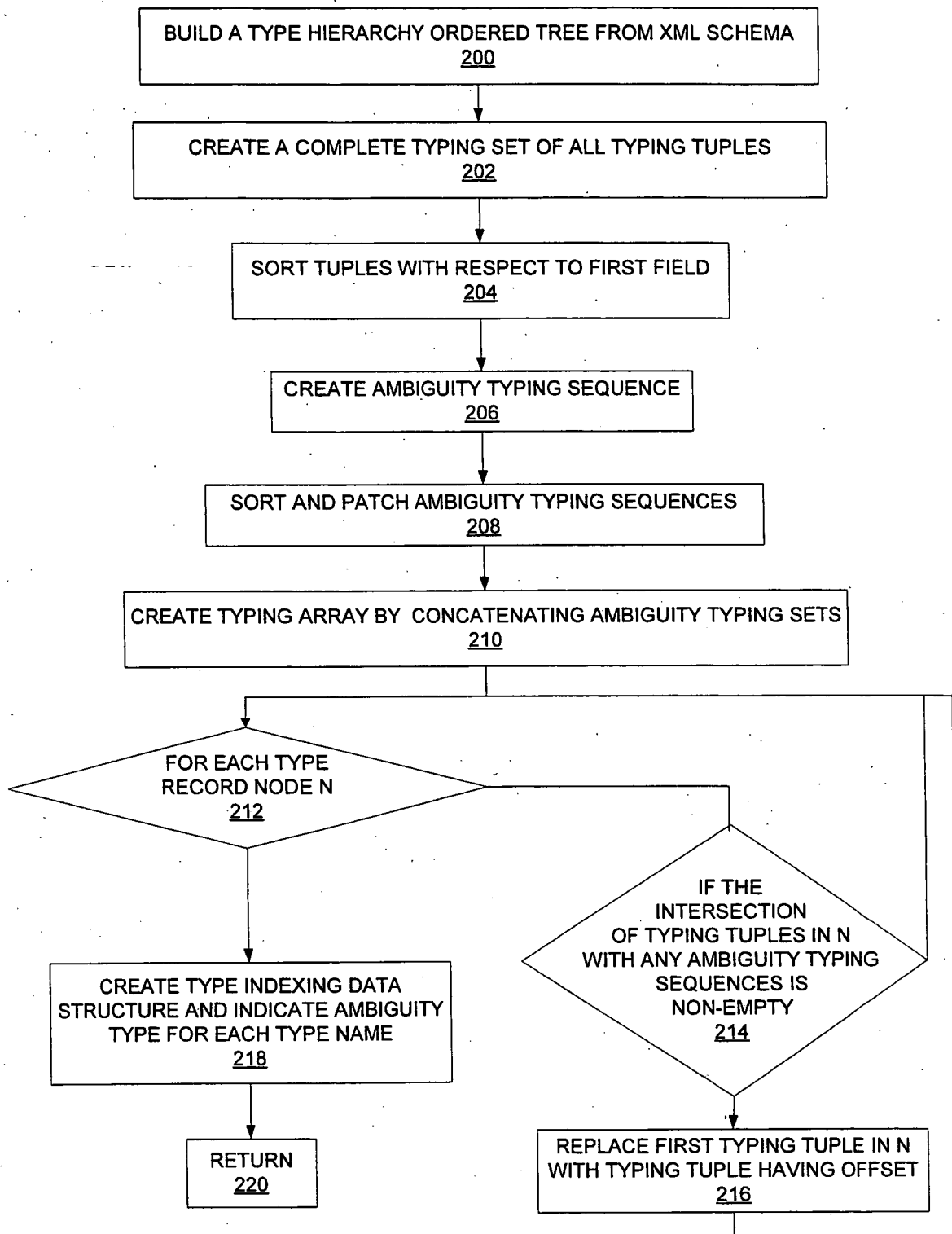


FIGURE 2

```

300
<schema targetNamespace="http://www.foo.com/yellowpage"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:p="http://www.foo.com/personnel">

302
  <annotation>
    <documentation xml:lang='en'>
      The Contact Directory Records for foo.com
      Copyright 2003 foo.com. All rights reserved.
    </documentation>
  </annotation>

304
  <complexType name='AddressType' abstract='true'>
    <sequence>
      <element name='street' type='string'/>
      <element name='city' type='string'/>
    </sequence>
  </complexType>

306
  <!-- address type of different country -->
  <complexType name='USAddressType'>
    <complexContent>
      <extension base='p:AddressType'>
        <sequence>
          <element name='state' type='p:USState'/>
          <element name='zip' type='positiveInteger'/>
        </sequence>
      </extension>
    </complexContent>
  </complexType>

  <!-- etc. ... -->

308
  <complexType name='employeeType'>
    <sequence>
      <element name='name' maxOccurs='1'>
        <complexType>
          <sequence>
            <element name='lastname' type='string' maxOccurs='1'/>
            <element name='firstname' type='string' maxOccurs='1'/>
          </sequence>
        </complexType>
      </element>
      <element name='address' type='p:AddressType' maxOccurs='1'>
        <element ref='notes' minOccurs='0'/>
      </sequence>
      <attribute name='semo' type='integer'/>
      <attribute name='userid' type='p:USERID_TYPE'/>
      <attribute name='department' type='string'/>
    </complexType>

  <complexType name='vendorType'>
    <sequence>
      <element name='name' type='string' maxOccurs='1'>
        <complexType>
          <sequence>
            <element name='address' type='p:AddressType'
              maxOccurs='1'>
              <element ref='notes' minOccurs='0'/>
            </sequence>
            <attribute name='semo' type='integer'/>
            <attribute name='userid'
              type='p:VENDOR_USERID_TYPE'/>
          </complexType>
          <element name='yellowpages'>
            <complexType>
              <choice minOccurs='1' maxOccurs='unbounded'>
                <element name='employee' type='p:employeeType'/>
                <element name='vendor' type='p:vendorType'/>
              </choice>
            </complexType>
          </element>
          <element name='notes' type='string'/>
          <element name='employee_notes' type='string'
            substitutionGroup='p:notes'/>
          <element name='employer_notes' type='string'
            substitutionGroup='p:notes'/>
          <!-- Customized Simple data type declaration -->
          <simpleType name='USERID_TYPE'>
            <restriction base='string'>
              <pattern value='[a-zA-Z]{1}[1-9a-zA-Z]*/>
            </restriction>
          </simpleType>
          <simpleType name='VENDOR_USERID_TYPE'>
            <restriction base='string'>
              <pattern value='[0-9]{1}[1-9a-zA-Z]*/>
            </restriction>
          </simpleType>
        </schema>
      </sequence>
    </complexType>
  </sequence>
</schema>

```

FIGURE 3

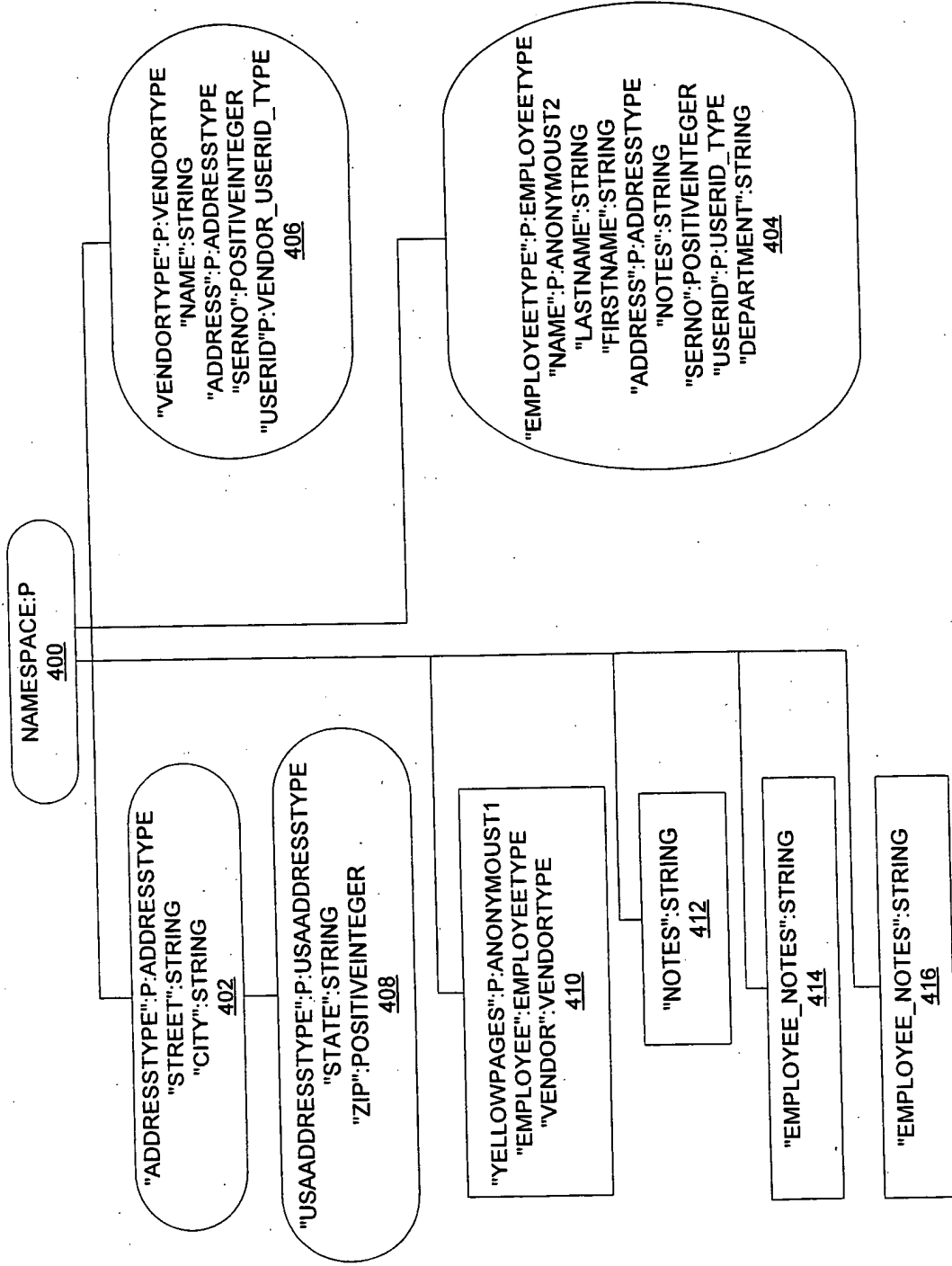


FIGURE 4

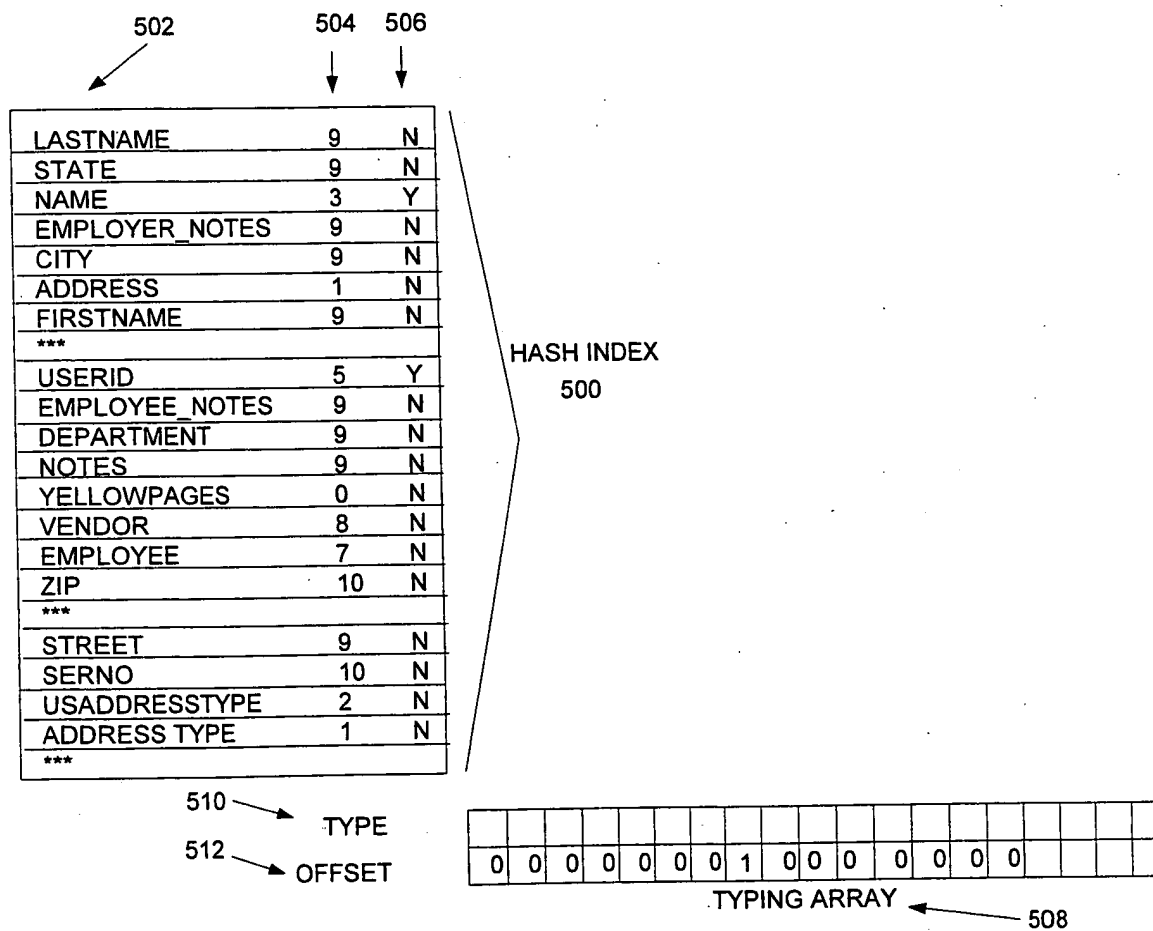
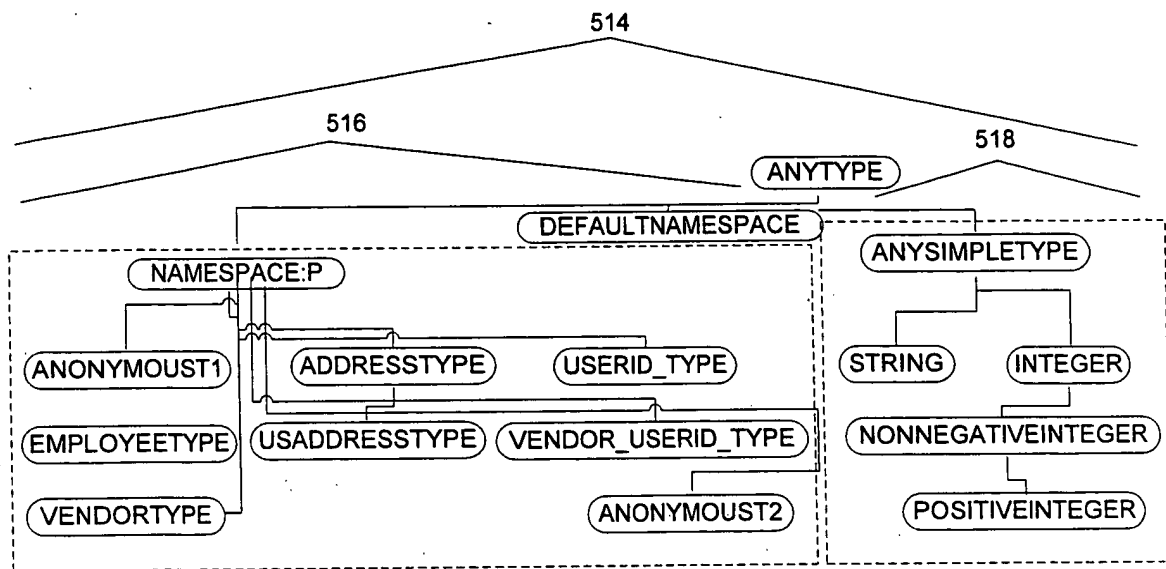


FIGURE 5

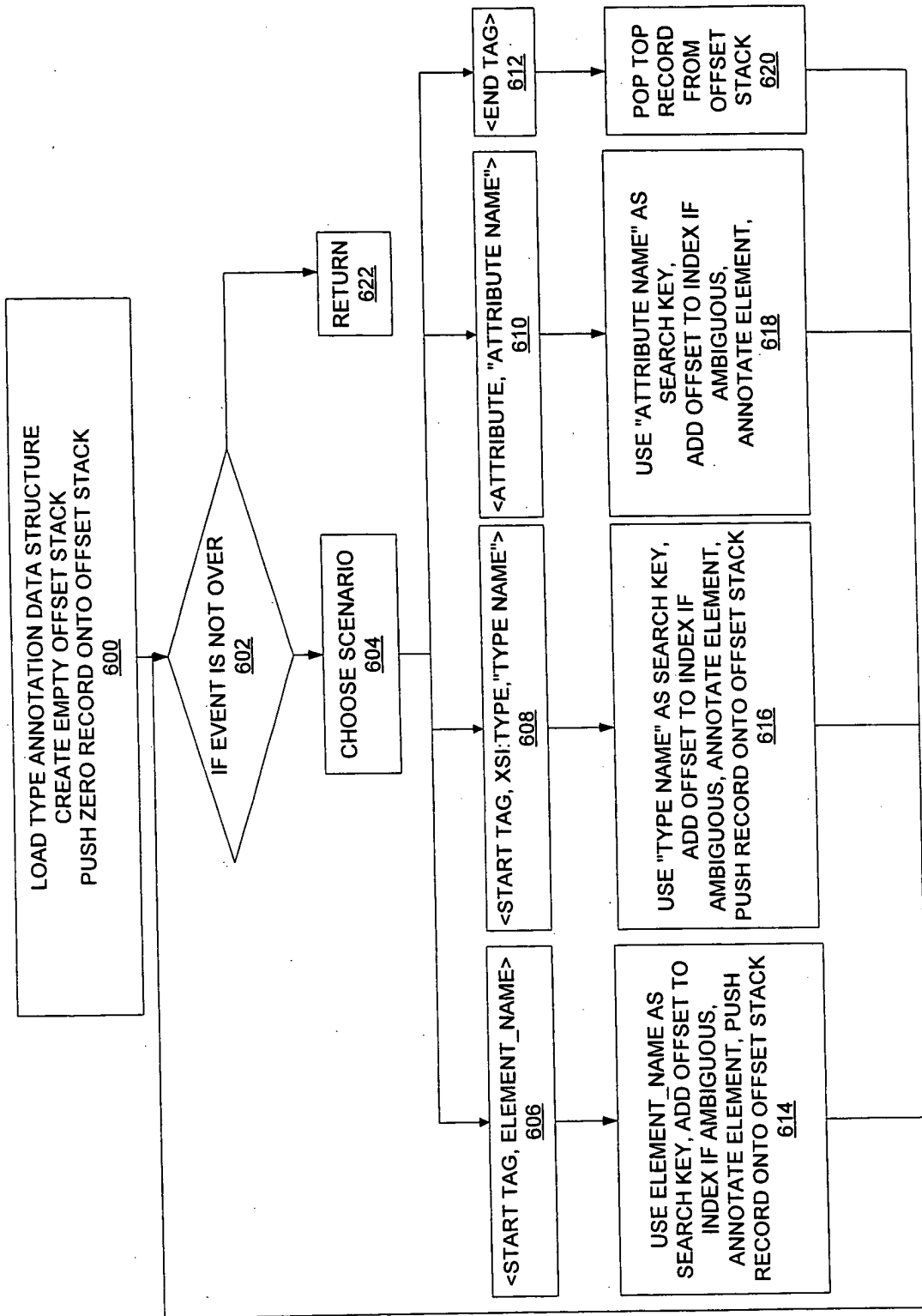


FIGURE 6

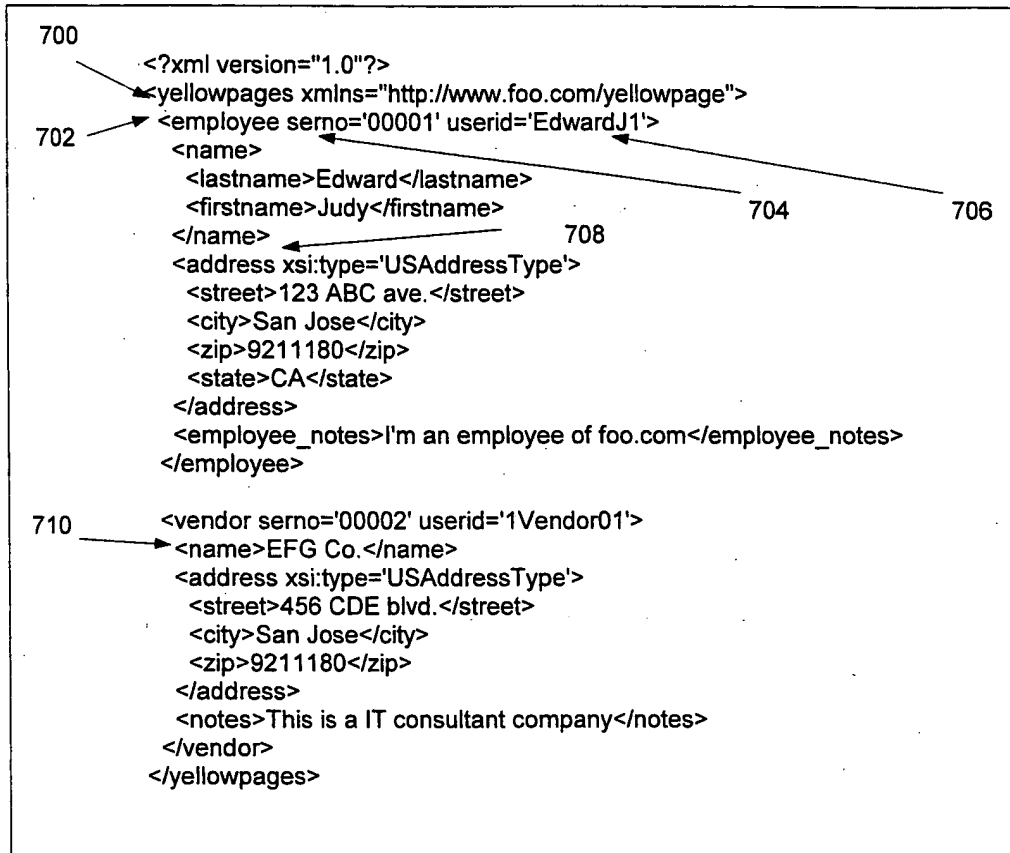


FIGURE 7